

Application No.: 09/683,298

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claims 1-4 [Cancelled]

5. [Currently Amended] An apparatus, comprising:

a plurality of deposit elements to deposit biological materials on a depositing surface;

a first mounting assembly operatively coupled to enable movement of the deposit elements, wherein the first mounting assembly comprises a first rotatable element that permits the deposit elements to rotate in a circular motion around a first axis perpendicular to the depositing surface;

a second mounting assembly operatively coupled to enable movement of the deposit elements, wherein the second mounting assembly comprises a second rotatable element that permits the deposit elements to rotate in a circular motion in a roll direction around a second axis parallel to the depositing surface; and

a third mounting assembly operatively coupled to enable movement of the deposit elements, wherein the third mounting assembly comprises a third rotatable element that permits the deposit elements to rotate in a circular motion in a pitch direction around a third axis parallel to the depositing surface.

6. [Original] The apparatus of claim 5, wherein:  
the deposit elements include pins, quills, or jetting elements.

7. [Original] The apparatus of claim 5, wherein:  
the second and third axes are perpendicular to each other.

8. [Currently Amended] The apparatus of claim 5, wherein:

Do not  
enter  
MCB  
2/22/05